

FUTON FRAME WITH LOAD BEARING DETENT APPARATUS

ABSTRACT OF THE DISCLOSURE

[00043] A futon frame features the use of a cam and journal system to move and to secure the back and the seat of the futon in a desired position. The cam and journal system provide the means to move the futon from a seat position to a bed position, and also provide the support mechanism to maintain the seat and back platforms in either position without the aid of any other locking mechanism or support arms. The cam and journal system consists of strategically placed cam and journals. The seat and back move in the cams by means of journals in predefined paths.